

SUMMARY
U.S. Army Corps of Engineers / SCA Partnerships
FY 2003 - 2007

California

- Lake Mendocino – High School Crew: Trail Maintenance & Invasive Plant Removal (FY '03)
- San Francisco Bay Model - Interns: Interpretation (FY '03)

Georgia

- Richard B. Russell Project – Intern: GIS/GPS (FY '04)

Idaho

- Dworshak Reservoir – Interns: GIS/GPS, Wildlife Habitat Improvement & Visitor Services (FY '05 & '06)

Illinois

- Lake Shelbyville – High School Crews: Campsite Construction, & Trail Reconstruction/Maintenance (FY '04 & '05)

Iowa

- Coralville Lake – Intern: GIS/GPS (FY '06-'07)

Kentucky

- Buckhorn Lake – Interns: GIS/GPS, Volunteer Coordinator, Visitor Services, Trail Work (FY '05-'07)
- Louisville District Office – Intern: GIS/GPS (FY '07)

Louisiana

- Louisiana Field Office – Intern: GIS/GPS (FY '04)

Massachusetts

- Buffumville Lake – Interns: Visitor Services & Natural Resource Management (FY '04-'05)
- Cape Cod Canal – High School Crew: Trail construction, Revegetation, Boardwalk Construction (FY'03 & '04)
- East Brimfield Lake – Intern: Natural Resource Management (FY '04)
- West Hill Dam & Charles River Natural Storage Area - Interns: GIS/GPS & Natural Resource Management (FY '04-'07)

Continued

New Hampshire

- Hopkinton-Everett Lakes – Interns: GIS/GPS (FY '03 & '05)

New York

- New York District – Interns: Wildlife Management (FY '06 & '07)

Oregon

- Bonneville Dam – High School Crew: Invasive Plant Removal (FY '06 & '07)
Interns: Wildlife Management

Pennsylvania

- Raystown Lake – Interns: Interpretation, Natural Resource Management & GIS/GPS (FY '05 & '07)

Tennessee

- Nashville District – Intern: GIS/GPS (FY '06-'07)

Texas

- Whitney Lake/Mid Brazos Project Office – Interns: GIS/GPS (FY '07)

Vermont

- Upper Connecticut River Basin – Interns: GIS/GPS, Wildlife Management, Natural Resource Management (FY '03 – '07)
- High School Crews: Trail Maintenance & Invasive Plant Removal (FY '04-07)

Washington

- Clarkston Natural Resource Office – Interns: GIS/GPS (FY '06 – '07)
- Chief Joseph Dam – High School Crew: Trail Maintenance, Campground Improvement & Invasive Plant Removal (FY '03-'07)
- Walla Walla District – Intern: GIS/GPS (FY '07)

Continued

**FY 2007 SUMMARY
USACE / SCA CONSERVATION INTERN & CREW PARTNERSHIPS**

KENTUCKY

Buckhorn Lake

12week intern: 05/21/2007 - 08/13/2007

Responsibilities Include: Assist Park Ranger staff in the establishment of a newly constructed 3.5 mile hiking trail system including the placement of trail signage, water diversion structures and steps along the trail bed, 30%; manage, collect and enter data pertaining to several project programs, including Customer Comment Card Program, Gypsy Moth Trapping Program, Project Visitation and Project GPS/GIS data, 25%; perform visitor assistance duties at project campgrounds and recreation areas including playground inspections, bulletin board maintenance and water safety presentations etc., 25%; assist Park Ranger and Administrative staff in preparing public service announcements, campfire journals and various other computer generated documents, 10%; assist project maintenance personnel with occasional light-duty construction and/or recreation area maintenance projects, 10%. Required: US citizenship; valid drivers license; ability to drive manual transmission vehicles; intermediate computer and word processing skills.

Background in forestry, natural resources or recreation.

Louisville District

12 week intern: 05/01/2007- 07/24/2007

Responsibilities Include: Gather and input facility data into OPIE GIS system; assist with gathering visitor information through comment cards; place gypsy moth traps in field and record data from traps; take and post shelter reservation information; collect visitor numbers and input into VERS program; conduct water safety programs; update bulletin boards. Require: US citizenship; valid drivers license; GIS/GPS skills.

MASSACHUSETTS

West Hill Dam / Charles River Natural Valley Storage Area

40 week intern: 05/01/2007 - 03/01/2008

52 week intern: 07/09/2007- 07/07/2008

Responsibilities Include: Locate Corps boundary and easement lines and property markers (using GPS Trimble Geo XT); gather data and enter into database for export into Arcview GIS version 9.1; scan and geo reference survey related documents; create maps using raster data sets and shape files, provide contractor with complete data package for boundary maintenance work. Additional GIS assignments do become available as needed. Require: US citizenship; valid drivers license; ability to driver 4WD vehicle; college course and lab work or volunteer/paid experience with ArcView 8.X Trimble Geo-Explorer- 3; physically able to walk up to 1 to 2 miles with equipment (about 20 pounds). Computer skills (Windows 2000 NT and PowerPoint).

NEW YORK

New York District

26 week interns: (2) 03/20/2007 - 09/20/2007

14 week interns: (2) 05/01/2007 08/21/2007

Responsibilities Include: Monitor for the presence of Piping Plover (Federally threatened species- Atlantic coast population) and Least Tern (state threatened species); identify nest sites, note eggs, chicks and follow brood to maturity (i.e. fledging); assist with erecting enclosures, fencing and move fences as appropriate; keep a note book and record sightings for each monitoring; surveys the Seabeach Amaranth (a Federally threatened plant) during late June, July and until mid August (as time permits). Require: US citizenship; valid driver's license; familiarity with biology of shorebirds and terns, specifically Piping Plover and Least Tern; ability to interact with the public; ability to take careful notes; ability to walk at least 4 miles per day, 6 days per week in sand; familiar with and ability to adhere to protocols that will be given at the start of the field season. One of the interns must have superior credentials (minimum of BS degree with ornithology courses and substantial previous experience with Piping Plover) since they will act as the team leader and be responsible for the team and the weekly reports and final report. For the team leader: MA in ornithology or wildlife biology. For steward interns: previous experience monitoring Piping Plover and Least Tern.

Continued

OREGON

Bonneville Lock and Dam

12 week interns: (6) 03/16/2007 - 05/28/2007

Responsibilities Include: Observe sea lion predation on salmon and other species below Bonneville Dam; watch with binoculars to enumerate predation events; identify species of fish taken; identify species of pinnipeds present and number of pinnipeds present; identify individual pinnipeds and note other behaviors; study the impacts of harassment methods; data input and analysis. Observations occur from dawn to dusk at three locations at the dam, seven days a week. Required: US citizenship; ability to be outdoors all day; Good eyesight; able to work on own with little supervision after initial training; must be punctual. Valid drivers license; interest and experience observing wildlife; ability to identify fish and wildlife; good note taking; some experience with computers for data entry.

PENNSYLVANIA

Raystown Lake

26 week intern: 07/01/2007-12/31/07

Responsibilities Include: Serve as a biological technician performing natural resource inventories (using the national vegetation classification system) on large tracts of federal property; summarize data; transfer field data to GIS systems, prepare required reports; arrange biological data and analysis information into tabular or graphic format for inclusion into documents; perform studies of vegetation or other natural resources; collect field data across a variety of landscape tasks in all types of weather. Require: US citizenship; valid drivers license; BS degree in biology, forestry wildlife, geoenvironmental, environmental sciences or other related natural resources program; ability to hike over various terrain for long periods of time; ability to use computers including ARCGIS 9.x; experience with collection spatial data using GPS (preferably Trimble/Pathfinder Office); experience using Microsoft office software such as Word, Excel and PowerPoint. Ability to drive 4WD vehicles.

TENNESSEE

Nashville District Office

52 week intern: 06/04/2007- 06/03/2008

Responsibilities Include: Perform digitizing, scanning and editing of digital data, 25%; gather data in the field with GPS equipment and enter collected data into system, 5%; create GIS layers and maps of various natural resources features, 50%; import information into ArcGIS, 20%. Require: US citizenship; valid drivers license; academic course and lab work or volunteer/paid experience with ArcGIS 8.X and ArcVIEW; computer skills (Windows XP, Word, Excel, Access etc.). Academic coursework in natural resources management, biology, fisheries and/or wildlife management.

TEXAS

Mid-Brazos Project Office/Whitney Lake

12 week interns (2): 10/30/2006 - 01/22/2007

Responsibilities Include: Collect GPS data, export data into GIS, create GIS layers and layouts, provide knowledge of traditional surveying techniques helpful in some locations associated with management of natural resources, recreation, and property line, 50%; conduct boundary work, clear vegetation for line of sight in remote areas using cutting tools, sign, mark and maintain boundary while documenting encroachments, 15%; assist staff with various natural resource and recreation projects, 20%; coordinate and assist volunteer efforts, 5%; assist staff with minor maintenance, 5%; perform administrative and clerical duties, 5%. Require: US citizenship; valid drivers license; academic or volunteer/paid experience with ArcGIS & Trimble Geo-Explorer handheld GPS units; experience with use of survey transit; intermediate computer skills (Microsoft Word, PowerPoint, Excel and Access); experience in dealing with the public; ability to work with minimal supervision; ability to work well with others; ability to hike several miles across rough terrain carrying a backpack (20-lbs); ability to work outdoors under adverse weather conditions and ability to lift 50-lbs. Ability to drive 4WD vehicles; academic background in natural resources and/or recreation.

Continued

VERMONT

Upper Connecticut River Basin

12 week interns (2): 05/15/2007 - 08/21/2007

Responsibilities Include: Assist with various wildlife inventories (small mammals, birds, herptiles) in a variety of habitats and locations, 75%; assist with a variety of resource management activities, 15%; computer data entry, 10%. Require: US citizenship; valid driver's license; interest in natural resources field work; ability to work in inclement weather; willingness to learn. Ability to drive 4WD vehicles; experience with computers and GPS; skill in identifying birds by sight and sound; ability to handle small mammals.

12 week interns (3): 05/15/2007- 08/21/2007

Responsibilities Include: Work with GIS, 80%; conduct natural resources projects, 20%. Require: US citizenship; valid driver's license; knowledge of ArcGIS 9.x. Ability to swim; sense of humor; GIS/GPS knowledge; computer data processing skills.

12 week intern: 05/15/2007- 08/21/2007

Responsibilities Include: Conduct various bird inventories (point counts, waterfowl, nightbirds, raptors) and assist with a variety of wildlife inventories (small mammals, herptiles) in a variety of habitats and locations, 75%; assist with a variety of resource management activities, 15%; computer data entry, 10%.

Require: US citizenship; valid driver's license; enthusiasm for wildlife management work; ability to work in adverse weather conditions; sense of humor; bird identification skills by sight and sound.

26 week interns (2): 05/14/2007- 11/12/2007

Responsibilities Include: Assist with various wildlife inventories (small mammals, bats, birds, herptiles) in a variety of habitats and locations, 75%; assist with a variety of resource management activities, 15%; computer data entry, 10%. Require: US citizenship; valid driver's license; enthusiasm for wildlife management work; ability to work in adverse weather conditions; sense of humor. Ability to drive 4WD vehicle; bird identification skills by sight and sound.

21 day Conservation (High School) Crew. Six member, two leaders.

Removal and control of invasive plants.

WASHINGTON

Chief Joseph Dam

21 day Conservation (High School) Crew. Six member, two leaders.

Fire line clearing at primitive campground, invasive tree, tree planting, and installing protection against herbivores.

Clarkston Natural Resource Office

20 week intern: 02/15/2007- 07/08/2007

26 week intern: 07/01/2007- 12/31/2007

Responsibilities Include: Data management of existing areas; upload new data into databases and update metadata when changes occur; work to coordinate system issues; create new data layers from spreadsheets; work with geodatabases and Trimble XRS/Recon; identify plant species and habitats; assist with ongoing projects such as flood control data collection, levee inspections, Piezometer readings, goose nest egg count surveys updating and printing maps, working with maintenance crew and infrastructure mapping (to name only a few of the possible projects); assist with future projects such as incident logs, ranger reports, vandalism and tickets/warnings, determining migratory and resident bird species and population density, collect pesticide application data and analyze effectiveness and create GIS coverages for botanical survey (to name only a few). Required: US citizenship; valid driver's license; ability to operate 4WD and manual transmission vehicles including 4x4 trucks and possibly ATVs; knowledge of GIS/GPS equipment, including ESRI, ArcGIS/ArcINFO and MS Excel. Knowledge of MS Access, Trimble Terrasync, ESRI ArcPad, Visual Basic, Avenue, C++, and/or Python programming; knowledge of geospatial coordinate systems with excellent spatial reasoning ability; skill in map production (digital and hard copy).

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Walla Walla District

26 week intern: 05/01/2007- 11/01/2007

Responsibilities Include: Assist GIS/GPS specialist with data management of existing areas, upload new data into databases and update metadata when changes occur, work to coordinate system issues, create new data layers from spreadsheets, work with geodatabases, work with Wildlife, Park and Maintenance staff with infrastructure mapping and habitat data collection and create GIS maps of Habitat Management Units and Parks, 50%; locate Corps boundary and easement lines and marker/monuments (using GPS Trimble Geoexplorer - version- 2.90 or 3), gather data and enter into database for export into Arc View and Arc Map GIS, scan survey related documents and install Carsonite markers/signs as directed, 40%; develop GIS products required for shoreline and operational plans, 10%. Require: US citizenship; valid driver's license; ability to drive 4WD vehicles; ability to work with geodatabases, create GIS maps, export GIS data into Arc View and Arc Map GIS and operate GPS Trimble Geoexplorer - version- 2.90 or 3; ability to work in independently in rugged terrain and at times during inclement weather; intermediate computer and word processing skills; physical ability to walk up to 1 to 2 miles with equipment; ability to work with other people. BA/BS in natural resource related field; experience operating motor boats and ATVs; training and/or experience in map reading and orientation skills; good verbal and computer skills. Ability to drive 4WD vehicle.

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FY 2006 SUMMARY
USACE / SCA CONSERVATION INTERN & CREW PARTNERSHIPS

IDAHO

Dworshak Reservoir

12 week intern: 5/23/2006 - 8/14/2006.

Visit Dworshak Reservoir - A Treasure Worth Discovering! Dworshak Dam & Reservoir in central Idaho is located in scenic forested and mountainous country along the North Fork of the Clearwater River. At a height of 717 feet the Dam is the highest straight-axis gravity dam in North America as well as one of the most dramatic in appearance. The 183 miles of shoreline frames the deep clear lake that makes Dworshak a favorite for recreationists. Responsibilities include: meet, greet and provide information to the public at our visitor center 50%; assist with assembling interpretive materials for exhibits, posters, informational handouts and events 10%; present on-site interpretive programs to a variety of audiences ranging in age from preschool to seniors 10%; operate audio-visual equipment 5%; operate office equipment including computers, copiers etc. 10%; work with and lead volunteers on a regular basis to assist with interpretive and informational duties 15%. Training/Educational opportunities: on the job training; independent project possible. Require: US citizenship; academic background or experience in interpretation, resource management, natural sciences and/or environmental education; demonstrated proficiency in public speaking; ability to work well in a team; provide excellent public contact service; must effectively communicate (in both written and spoken form) in the English language.

IOWA

US Army Corps of Engineers

52 week intern: 9/15/2006 - 9/14/2007.

Use you GIS skills to map out your future. The US Army Corps of Engineers manages Coralville Lake in Iowa as a multiple use project providing primary benefits in flood control and low flow augmentation, and secondary benefits in recreation, fish and wildlife management, forest management and water quality improvement. The many woodland areas are primarily upland oak/hickory hardwood forests. The primary focus of this internship will be to advance the GIS program at Coralville Lake. Responsibilities include: GPS all hiking and single track mountain bike trails (12 miles and 10 miles respectively), fee title boundary monuments and markers (between 60 and 80 miles of boundary), lake hazards and utilities in the recreation areas; digitize compartment management units; create geodatabases and make the GPS data web accessible; assist with prescribed burns (both prairie and woodland) and invasive species management. Training/Educational opportunities: GPS unit use; S130 Fire Fighter Training and S190 Introduction to Wildland Fire Behavior; geodatabase construction implementation (possible). Opportunity to attend a wide variety of local and regional workshops covering many natural resource topics such as invasive species management, shade tree management and GIS topics (e.g. ArcGIS 9, ArcIMS etc.). Require: valid driver's license; ability to drive 4WD vehicles; good physical condition; ability to walk several miles in rough terrain and brush carrying a pack (approximately 10 lbs for the GPS unit and a 45-lb pack for prescribed fire); strong background in GIS (ArcView/ArcGIS) and GPS. Desire: strong background in natural resource management conservation methods and natural history

KENTUCKY

Buckhorn Lake

12 week intern: 4/1/2006 - 7/2/2006.

Attention GIS/GPS enthusiast! Your field is growing and people like you are in demand. Buckhorn Lake, in Leslie and Perry counties in Southeastern Kentucky, is situated in the Cumberland Plateau of eastern Kentucky. Buckhorn Lake was authorized by the Flood Control Act of 1938. The Louisville District of the US Army Corps of Engineers designed built and operates the project to reduce flood damages downstream from the dam. This is an area that possesses a landscape as rugged and extraordinary as any found in the state. The plateau is deeply traversed by a series of narrow winding valleys separated by steep watersheds and covered by a network of continuously branching streams. Originating in the southeast and flowing generally northwestward, the Kentucky River is one of this region's major rivers. Responsibilities include: gather and collect GPS data and transfer it into project GIS server, 50%; plot and mark project boundary near proposed hiking trail areas, 10%; organize and assist volunteers in constructing new hiking trails, 25%; assist Park Ranger staff with various natural resources and public

relations related projects, 15%. Training/Educational opportunities: Department of Defense Information Assurance Training; defensive driving; POSH (Prevention of Sexual Harassment); CPR; Safe Self Visitor Assistance Training; bloodborne pathogens; CO2 (Consideration of Others). Require: US citizenship; valid driver's license; ability to drive manual transmission vehicles; intermediate computer and word processing skills. Desire: background in forestry, natural resources or recreation.

MASSACHUSETTS

West Hill Dam & Charles River NVSA

52 week intern: 1/9/2006 - 1/9/2007

52 week intern: 7/1/2006 – 6/30/07

This position is an excellent opportunity for you to enhance your GIS/GPS skills, and build that resume. The Charles River Natural Valley Storage Area consists of 8,400 acres of wetlands nestled in 17 towns along the Charles River starting in Boston, Massachusetts. These wetlands are only at an elevation of about 90 to 126 feet above sea level and follow the Charles River through typical New England swamps. Website: www.nae.usace.army.mil/recreati/massachu
Responsibilities include: locate Corps boundary and easement lines and markers (using GPS Trimble Geoexplorer- 3: version- 2.90), gather data and enter into database for export into Arcview GIS; scan survey related documents; install Carsonite markers/signs as directed. Other GIS assignments may become available. Training/Educational opportunities: on-the-job training for use of Trimble GeoExplorer- 3 and Arcview software. Require: US citizenship; valid driver's license; ability to driver 4WD vehicle; college course and lab work or volunteer/paid experience with ArcView 8.X Trimble Geo-Explorer- 3; physically able to walk up to 1 to 2 miles with equipment (about 20 pounds). Desire: computer skills (Windows 2000 NT and PowerPoint).

NEW YORK

New York District

12 week interns: (2) 5/15/06 – 8/15/06

Responsibilities Include: Monitor for the presence of Piping Plover (Federally threatened species- Atlantic coast population) and Least Tern (state threatened species); identify nest sites, note eggs, chicks and follow brood to maturity (i.e. fledging); assist with erecting enclosures, fencing and move fences as appropriate; keep a note book and record sightings for each monitoring; surveys the Seabeach Amaranth (a Federally threatened plant) during late June, July and until mid August (as time permits). Require: US citizenship; valid driver's license; familiarity with biology of shorebirds and terns, specifically Piping Plover and Least Tern; ability to interact with the public; ability to take careful notes; ability to walk at least 4 miles per day, 6 days per week in sand; familiar with and ability to adhere to protocols that will be given at the start of the field season. One of the interns must have superior credentials (minimum of BS degree with ornithology courses and substantial previous experience with Piping Plover) since they will act as the team leader and be responsible for the team and the weekly reports and final report. For the team leader: MA in ornithology or wildlife biology. For steward interns: previous experience monitoring Piping Plover and Least Tern.

OREGON

Bonneville Dam Columbia River Gorge

26 week intern: 2/1/2006 - 8/2/2006.

Welcome to the Columbia River Gorge! This magnificent area is defined by the passageway made by the Columbia River as it cuts through the Cascade Mountains. The Gorge is home to countless quaint towns, spectacular vistas and world class hiking, biking, fishing, scenic drives, sail boating, windsurfing and kiteboarding. Cascade Locks, where you will live, is just 4 miles from the Bonneville Lock and Dam, located on the Oregon side of the Columbia River and surrounded by the Columbia River Gorge National Scenic Area. This is a fish/wildlife management position that supports ongoing efforts to study and manage fish predation with several agencies working together to test different means of safely and to effectively controlling fish predation.

Responsibilities include: mammal predation observation involving identification of different fish and sea lion species, number of sea lions present and observation of their activities, 65%; avian predation observation including at The Dalles and John Day project sites 30%; data management and analysis 5%. Training/Educational opportunities: identification of key mamma, fish and avian species; data collection techniques including video recording; radio communication protocols. Opportunity to get involved in a range of wildlife management activities, working at three different Army Corps sites which may will overlap with that of other agencies working on the Columbia River. Require: US citizenship; valid driver's license; some experience with MS Excel for basic

data entry; background or interest in biology, wildlife management and/or natural sciences; ability to see well for long distances in order to identify different species from far away, stand in place for prolonged periods, walk occasionally throughout the day and work in inclement weather including rain cold and wind; positive attitude and professional conduct; ability to work alone. Desire: BA/BS in biology or similar field. Position runs Qualifications: Additional information: Housing will be available in nearby Cascade Locks. You will receive a housing stipend in addition to a living stipend. Most of your time will be spent outdoors conducting various field observations, working alone with occasional communication with other interns and supervisor via radio. Some work sites are open to the public so you will occasionally interact with visitors. Public speaking skills and a high level of professionalism; proven ability to work independently and resourcefully in order to complete and implement projects; ability to work in a variety of weather conditions and environments. Desire: experience conducting tours and creating educational curricula for a variety of audiences.

21 Day Conservation (High School) Crew: Six members, two leaders.
Noxious weed removal, trail clearing and trail construction.

TENNESSEE

Nashville District Office

52 week intern: 3/6/2006 - 3/5/2007

Description: Map out your next adventure with this GIS opportunity in Nashville, Tennessee, nicknamed Athens of the South because of The Parthenon, the only full scale replica of the Greek temple in the world. Nashville is also nicknamed Music City, USA, in honor of the city's role in the history and formation of country music. The city has natural beauty, southern hospitality, serene weather and something for everyone. It has music, arts, sports, recreation (NFL team, arena football, college football, national league hockey, minor league baseball), history, heritage, nature, outdoors (parks, lakes, river), shopping malls and outlets all within commuting distance. Dome-like geography the Nashville Basin surrounds the states capital, Nashville, with steep slopes and ridges called the Highland Rim. The Nashville District US Army Corps of Engineers encompasses over 59,000 square miles and includes parts of seven states. It has regulatory flood control, navigation hydropower and recreational responsibility for the Cumberland River watershed. The district office is located in the Estes Kefauver Federal Building in downtown Nashville. You will assist the GIS Specialist. Responsibilities include: perform digitizing, scanning and editing of digital data, 10%; gather data in the field with GPS equipment and enter collected data into system, 10%; create GIS layers and maps of various natural resources features, 70%; import information into ArcGIS, 10%. Training/Educational opportunities: first aid/CPR; defensive driving; on-the-job training of how the federal government works by networking with natural resource management professionals. Opportunity for field trips to all 10 lakes in the Nashville District. Require: US citizenship; valid driver's license; academic course and lab work or volunteer/paid experience with ArcGIS 8.X and ArcVIEW; computer skills (Windows XP Word Excel Access etc.).

VERMONT

Upper Connecticut River Basin

12 week interns:

Connecticut River Basin area consists of 7 flood control reservoirs and adjacent lands totaling about 8,000 acres of wetlands, hills, and valleys in southeastern Vermont and southwestern New Hampshire. Responsibilities include: assist with various wildlife inventories (small mammals, birds, reptiles) in a variety of habitats and locations, 75%; assist with a variety of resource management activities, 15%; computer data entry, 10%. Training/Educational opportunities: inventory and monitoring protocols; CPR/first aid; defensive driving. Require: US citizenship; interest in natural resources field work; ability to work in inclement weather; willingness to learn; valid driver's license. Desire: experience with computers and GPS; skill in identifying birds by sight and sound; ability to handle small mammals.

26-52 week interns:

Responsibilities include: GIS/GPS related duties 80%; other- mainly natural resources related 20%. Training/Educational opportunities: defensive driving; first aid /CPR; on the job training. Require: US citizenship; knowledge of ArcGIS 8.x, Trimble GeoExplorer GPS, various computer software. Desire: ability to swim; sense of humor..

26-52 week interns:

Responsibilities include: small mammal and bird surveys, 40%; habitat surveys, 20%; data entry, 20%; other natural resource activities, 20%. Training/Educational opportunities: defensive driving and wildlife survey techniques. Require: US citizenship; valid driver's license; natural resources background; willingness to learn. Desire: bird ID skills (sight and sound); sense of humor; pride in work.

30 day Conservation (High School) Crew. Six members, two leaders.
Invasive plant removal, trail reconstruction and maintenance.

WASHINGTON

Chief Joseph Dam

21 day Conservation (High School) Crew. Six members, two leaders.
Campground clearing, trail clearing, noxious weed mapping and removal.

Clarkston Natural Resource Office

26 week intern: 12/1/2005 - 5/30/2006

Welcome to Clarkston Gateway to Hell's Canyon! The twin cities of Clarkston, Washington and Lewiston, Idaho were named in honor of the famous explorers William Clark and Meriwether Lewis from the Corps of Discovery Lewis and Clark Expedition. As they led the Corps of Discovery through our area in 1805 they were provided much needed assistance from the Nez Perce Indians in the region. Located at the confluence of the Snake and Clearwater Rivers, surrounded by gentle rolling hills, the Lewis-Clark Valley is located 465 river miles from the Pacific Ocean and is at the head of the navigation system of the Columbia/Snake River. The area is often referred to as the "Banana Belt" due to the areas low elevation (731 feet above sea level). Year-round warm weather and mild winters allow golfing all year. You can choose from an array of activities such as water skiing, sailing, fishing, swimming, walking or riding along miles of paved levee pathways or camping at a riverside park. The Army Corps of Engineers Clarkston Resource Office is part of the Army Corps Walla Walla District. Responsibilities include: collect field inventory of Army Corps property such as recreation support equipment and create a user-friendly database to house this information and train other Army Corps staff to use it, 80%; create touch-screen programs for visitor use utilizing web-based information, 10%; assist with grant writing to raise funds for preservation of a historic site in Clarkston (possible), 10%. Training/Educational opportunities: orientation to the Clarkston Field Office and necessary resources. Opportunity to work closely with Army Corps GIS professionals and have the option of participating in grant writing. Require: US citizenship; valid driver's license; academic background in geography or related field; experience with GIS and GPS utilization; ability to work with html and develop simple databases; ability to work independently. Desire: strong writing skills..

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FY 2005 SUMMARY
USACE / SCA CONSERVATION INTERN & CREW PARTNERSHIPS

IDAHO

Dworshak Reservoir, US Army Corps of Engineers

26 week intern: 5/30/2005 - 11/30/2005

This position, a great mix of Botany and GPS, will help you gain diverse conservation experience in a dramatic and remote setting. Dworshak Reservoir is a remote 50-mile reservoir in north-central Idaho that is surrounded by steep mountainous forest. Access is by boat or hiking. You will work with The Natural Resource Management Team that manages the resources within the 30,000-acres of land surrounding the reservoir. Wildlife species that occur on the reservoir include gray wolf, black bear, mountain lion, river otter, elk, deer, bald eagle, and osprey.

Website: <http://www.nww.usace.army.mil/corpsoutdoors/dwa/visctr.htm> Responsibilities include: locate, identify, and GPS noxious weed populations, 50%; conduct vegetation surveys to monitor and evaluate the effectiveness of wildlife habitat and ecosystem management projects, 25%; conduct wildlife population and monitoring surveys, 15%; inspect and document the conditions of gates and barricades in remote locations, 10%. Training/Educational opportunities: boat; ATV; GPS; map reading and orientation skills training. Opportunity to work on independent projects. Require: valid driver's license; ability to drive 4WD and manual transmission vehicles; training and/or experience in plant and noxious weed identification; ability to work independently in rugged terrain and at times during inclement weather. Desire: BA/BS in natural resource related field; training and/or experience in Pacific Northwest plant and noxious weed identification; experience operating motor boats and ATVs; training and/or experience using GPS units; map reading and orientation skills.

26 week intern: 5/30/2004 -11/28/2004.

Responsibilities include: Locating identifying and GPSing noxious weed populations 50% Vegetation surveys to monitor and evaluate the effectiveness of wildlife habitat and ecosystem management projects 25%. Inspect and document the conditions of gates and barricades in remote locations 10%. Conduct wildlife population and monitoring surveys 15%. EDUCATIONAL OPPORTUNITIES: Many of the CAs duties will involve working independantly on projects. The CA will have opportunity to develop and/or improve programs. An example would be to develop a long-term monitoring program for various habitat enhancement projects. Most days will be "field trips". TRAINING: Boat training ATV training GPS training map reading and orientation. Require: Training and/or experience in plant and noxious weed identification. Ability to work independantly in rugged terrain and at times during inclement weather. Desire: BA degree in a natural resource related field. Training and/or experience in Pacific Northwest plant and noxious weed identification. Experience operating motor boats and ATVs. Training and/or experience using GPS units. Map reading and orientation.

ILLINOIS

Lake Shelbyville

30 day Conservation (High School) Crew. Six members, two leaders.

Campsite construction, trail reconstruction/maintenance and trail bridge repair.

KENTUCKY

Buckhorn Lake

12 week intern: 4/1/2005 - 6/25/2005.

Attention GIS/GPS enthusiast! Your field is growing and people like you are in demand. Buckhorn Lake, in Leslie and Perry counties in Southeastern Kentucky, is situated in the Cumberland Plateau of eastern Kentucky. Buckhorn Lake was authorized by the Flood Control Act of 1938. The Louisville District of the US Army Corps of Engineers designed built and operates the project to reduce flood damages downstream from the dam. This is an area that possesses a landscape as rugged and extraordinary as any found in the state. The plateau is deeply traversed by a series of narrow winding valleys separated by steep watersheds and covered by a network of continuously branching streams. Originating in the southeast and flowing generally northwestward, the Kentucky River is one of this region's major rivers. Responsibilities include: gather and collect GPS data and transfer it into project GIS server, 50%; plot and mark project boundary near proposed hiking trail areas, 10%; organize and assist volunteers in constructing new hiking trails, 25%; assist Park Ranger staff with various natural resources and public

relations related projects, 15%. Training/Educational opportunities: Department of Defense Information Assurance Training; defensive driving; POSH (Prevention of Sexual Harassment); CPR; Safe Self Visitor Assistance Training; bloodborne pathogens; CO2 (Consideration of Others). Require: valid driver's license; ability to drive manual transmission vehicles; intermediate computer and word processing skills. Desire: background in forestry, natural resources or recreation.

MASSACHUSETTS

Buffumville Lake, U.S. Army Corps of Engineers

12 week intern: 4/15/2005 - 7/10/2005.

The Army Corps of Engineers manages the natural resources around this reservoir for multiple uses, including wildlife habitat, outdoor recreation, watershed protection and flood control. Position involves extensive trail hiking and outdoor work. Responsibilities include: patrol and maintain trails, 25%; assist park rangers with programs and tours, 20%; assist staff with minor maintenance, 20%; assist with natural resource projects, 15%; inspect recreation areas, 10%; maintain contacts with the public and assist with public relations and informal surveys, 5%; other administrative and clerical duties, 5%. Training/Educational opportunities: first aid/CPR, and defensive driving. Require: valid driver's license; interest in conservation and environmental work; ability to hike and work in the outdoors; ability to perform minor maintenance tasks; ability to follow directions and work with minimal supervision. Desire: academic background in natural resources and/or recreation; experience in public relations and/or public speaking or related field.

Cape Cod Canal

30 day Conservation (High School) Crew. Six members, two leaders.

Boardwalk construction through salt marsh.

West Hill Dam & Charles River NVSA

12 week Intern: 10/11/2004 - 1/10/2005.

26 week interns: (2) 5/2/2005 - 11/2/2005.

The primary work area will be the Charles River Natural Valley Storage Area 8,400 acres of wetlands nestled in 17 towns along the Charles River starting in Boston, Massachusetts. These wetlands are only at an elevation of about 90 to 126 feet above sea level and follow the Charles River through typical New England swamps. Weather- New England winter weather- snow ice and rain can be expected. Average temperatures can range from below zero to 32 degrees to low 30s to 40s at times. Responsibilities include: locate Corps boundary lines and markers (using GPS Trimble Geoexplorer- 3: version- 2.90), gathering data, and entering into database for export into Arcview GIS; scan survey related documents; install Carsonite markers/signs as directed. Training/Educational opportunities: on-the-job training for use of Trimble GeoExplorer- 3 and Arcview software available. Require: valid driver's license; ability to driver 4WD vehicle; provide own personal protective equipment/clothing; comfortable away from home and family; college course and lab work or volunteer/paid experience with ArcView 8.X Trimble Geo-Explorer- 3; physically able to walk up to 1 to 2 miles with equipment (about 20 pounds). Desire: college course work lab or volunteer/paid experience with ArcView 8.X Trimble Geo-Explorer-3 (GPS handheld) and computer skills (Windows 2000 NT) helpful..

NEW HAMPSHIRE

Hopkinton - Everett Lakes

52 week intern: 6/1/2005 - 5/31/2006

Geographic Information Systems and Global Positioning Systems are just some of the resume-building skills you'll receive at this internship site. Located in the south central portion of New Hampshire, with approximately 8000 acres of forest, lakes, fields, and wetlands, the Hopkinton-Everett Lakes Project is in close proximity to ski areas, lakes and ponds, state parks and only one hour away from either the White mountains or the Atlantic coast. Responsibilities include: digitize layers using GIS; research deed and historical properties; create and populate attribute tables; scan documents creating PDF files and hot linking, georeferencing, survey and engineering plans and aerial photos; map and plot with GPSTrimble Unit; map forest cover type and digitize using Digital Transfer Scope; create layouts and queries for reports; work with and create links to databases incorporating State data. Training/Educational opportunities: defensive driving; first aid/CPR; on-the-job training. Getting to Know Arc GIS ESRI course to include: ArcGIS I & II(5 days), Optem Digital Transfer Scope Training (1 day) and GPS Trimble (1 day) training. You will attend the ESRI New England Conference with one paid ESRI course of your choice. This includes travel, lodging and meals plus vehicle mileage if using private vehicle and is contingent upon performance and contributions with the MRB GIS initiatives. You will also be part

of the project presentation at this conference. Require: valid driver's license; geography major or other disciplines using GIS; familiarity with ArcGIS 8.3; knowledge of digitization.

PENNSYLVANIA

Raystown Lake

26 week intern: 1/3/2005 - 6/3/2005

Raystown Lake is a Corps of Engineers Flood Control project with over 30,000 acres of land and water. The lake supports an active recreation and land stewardship program with over 1.5 million visitors each year and is located in the ridge and valley region of Central Pennsylvania .

Raystown Lake has numerous recreation areas, boat launches, beaches, marinas, playgrounds, pavilions and a new visitor center. Responsibilities include: serves as assistant to the ranger staff on all interpretive programs; enhances existing and new interpretive programs for both on and off-site programs; create and conduct power point presentations; initiate or assist with creation or revision of interpretive materials such as guidebooks, brochures, trail signs, visitor center exhibits and audio-visual productions; select and organize material to fit the purpose for the program and type of group for which it is to be presented; presents a variety of formal interpretive programs both on and off site involving community civic group project updates; provide environmental and water safety education for school groups; represent the Corps at career fairs and sportsman shows; provide tours of the visitor center to public and school groups; evaluate and track attendance of evening program; assure that all project bulletin boards and other informational media are refreshed and updated on a regular basis with appropriate subject topics; coordinate updates of project publications such as flyers, handouts, newsletters and reports; perform visitor assistance and other duties as assigned. Training/Educational opportunities: Red Cross, CPR/first aid, hazard communication, computer security, defensive driving training, boater safety (possible). Require: Bachelors or Associates degree or experience in recreation, park management, interpretation or natural resources field; experience and skill in public presentations and organizing programs for public use; good verbal and computer skills; ability to work with other people and the general public; good organization skills; valid driver's license; ability to drive 4WD. Desire: experience working at a park or camp conducting interpretation or education programs.

VERMONT

Upper Connecticut River Basin

52 week intern: 10/17/2004 -10/16/2005

Geographic Information Systems and Global Positioning Systems are being used by researchers all around the world. As an intern with the Upper Connecticut River Basin, you'll work with these exciting technologies while getting to know parts of Vermont & New Hampshire. The Basin consists of seven reservoirs located on tributaries of the Connecticut River in southeastern Vermont and southwestern New Hampshire. Responsibilities include: GIS/GPS related duties 80%; other- mainly natural resources related 20%. Training/Educational opportunities: defensive driving; first aid /CPR; on the job training. Require: knowledge of ArcGIS 8.x, Trimble GeoExplorer GPS, various computer software. Desire: ability to swim; sense of humor.

12 week interns. 5/15/2005 - 8/15/2005

The Upper Connecticut River Basin area consists of 7 flood control reservoirs and adjacent lands totaling about 8,000 acres of wetlands, hills, and valleys in southeastern Vermont and southwestern New Hampshire. Responsibilities include: assist with various wildlife inventories (small mammals, birds, reptiles) in a variety of habitats and locations, 75%; assist with a variety of resource management activities, 15%; computer data entry, 10%. Training/Educational opportunities: inventory and monitoring protocols; CPR/first aid; defensive driving. Require: interest in natural resources field work; ability to work in inclement weather; willingness to learn; valid driver's license. Desire: experience with computers and GPS; skill in identifying birds by sight and sound; ability to handle small mammals.

30 day Conservation (High School) Crew. Six members, two leaders.
Trail reconstruction/maintenance and invasive plant removal.

WASHINGTON

Chief Joseph Dam

21 day Conservation (High School) Crew. Six members, two leaders.
Trail maintenance & invasive plant removal.

FY 2004 SUMMARY
USACE / SCA CONSERVATION INTERN & CREW PARTNERSHIPS

GEORGIA

Richard B. Russell Project

52 week intern: 2/17/04-2/16/05

Containing 53,000 acres of land and water (Russell Lake) in the Piedmont of both Georgia and South Carolina, Richard B. Russell Project on the upper Savannah River serves purposes of flood control, hydropower, recreation, and natural resource management. Intern will provide GIS/GPS support for project staff. Responsibilities include: establish new themes and associated databases, 20%; assist in identifying new uses for the project's GIS/GPS system for managing natural and cultural resources and facilities, 20%; assist with development of GIS applications, 20%; perform data entry and developing maps, 20%; performing minor troubleshooting on the system, 10%; working with GIS/GPS support staff throughout the Savannah District to troubleshoot system and establish new themes, 5%; assist in training staff in GIS applications and use, 5%. Training/Educational opportunities: first aid/CPR, defense driving, and boat operator's license training. Require: US citizenship; valid driver's license; associate or technical degree or higher in GIS/GPS studies; solid working knowledge of ESRI, ArcView 3.1 and ARCGIS 8 software; solid understanding of GIS/GPS applications; ability to work with minimal supervision; willingness to serve outdoors in all kinds of weather and temperature extremes with possible exposure to allergens and poisonous or biting insects, other animals, and plants. Desire: bachelor's degree or higher in GIS/GPS studies; educational background or experience in natural resource management; working knowledge of Trimble Pathfinder or other GPS software; familiarity with large natural resource management programs.

IDAHO

Dworshak Reservoir

26 week intern: 5/3/04-11/1/04

Dworshak Reservoir is a 50 mile reservoir in north-central Idaho surrounded by steep mountainous forestland with little motorized access. The area is fairly primitive and recreationists and employees access the reservoir primarily by boat or hiking. The Natural Resource Management Team at Dworshak manages the natural resources within 30,000 acres of land surrounding the reservoir. This involves managing for forest health, ecosystem health, and wildlife habitat. Wildlife species that occur on the reservoir include gray wolf, black bear, mountain lion, moose river otter, elk, deer, bald eagle, and osprey to mention some. Responsibilities include: locate, identify, and conduct GPS surveys of noxious weed populations, 40%; perform vegetation surveys to monitor and evaluate the effectiveness of wildlife habitat and ecosystem management projects, 30%; inspect and document the conditions of gates and barricades in remote locations, 15%; conduct wildlife population and monitoring surveys, 15%. Training/Educational opportunities: boat, ATV, GPS, and map reading training provided. Intern will have an opportunity to develop and/or improve programs such as developing a long-term monitoring program for various habitat enhancement projects. Require: valid driver's license; ability to drive a manual transmission vehicle; ability to drive a 4WD vehicle; training and/or experience in plant and noxious weed identification; ability to work independently in rugged terrain and (at times) during inclement weather. Desire: Bachelor's degree in a natural resource related field; training and/or experience in Pacific Northwest plant and noxious weed identification; experience operating motor boats and ATVs; training and/or experience using GPS units; map reading and orientation skills.

ILLINOIS

Lake Shelbyville

30 day Conservation (High School) Crews (3). Six members, two leaders.
Campsite construction, trail reconstruction/maintenance and trail bridge repair.

LOUISIANA

Louisiana Field Office

52 week intern: 12/1/03-11/29/04

Located 22 miles northeast of Shreveport, Louisiana, Interns will have an opportunity to learn about diverse water resources projects. Responsibilities include: performing management, planning and administrative duties such as writing, rewriting, and revising master plans and

operational management plans for Wallace Lake Dam and Bayou Bodcau Dam/Reservoir, gathering, compiling, and interpreting data for management utilization, developing short term management objectives through interviews, site visits, and research, (may include assisting park rangers and foresters in filing, answering inquiries from the public, and preparing weekly/quarterly/monthly reports), 50%; assisting GIS/GPS Park Ranger with developing GIS products required for master planning and operational plans (may utilize previous completed work as examples), 20%; assisting park rangers and foresters in recreation resource management duties such as visitor assistance, interpretation, trail maintenance, and facility inspection, 15%; assisting reservoir foresters and park rangers in marking timber and/or timber inventory (may participate in wildlife surveys and/or inventories), 10%; participating in inspection of flood control facilities, providing surveillance during times of high water, 5: Interns will receive on - the - job preparation of management plans, GIS/GPS usage, timber management, recreation management, flood control management, wildlife surveys/inventories, and safety training provided. Require: valid driver's license; ability to drive a 4WD vehicle; ability to utilize diverse computer programs including Word, Excel, PowerPoint, ArcView, ArcGIS; ability to gather, compile, interpret, and present data in required format; ability to communicate effectively in writing as well as in person; ability to work as a team member and promote harmony in the workgroup; ability to work shifts/weekends/holidays; ability to work in different conditions; ability to navigate backcountry areas; ability to lift 50lbs. Desire: ability to driver a manual transmission vehicle; academic background in forestry, recreation management, wildlife biology, history, engineering, public relations, journalism, English, political science or any related field.

MASSACHUSETTS

Buffumville Lake

12 week intern: 4/15/04-7/10/04

The Army Corps of Engineers manages the natural resources around this reservoir for multiple uses, including wildlife habitat, outdoor recreation, watershed protection and flood control. Responsibilities include: patrolling and maintaining trails, 25%; assisting park rangers with programs and tours, 20%; assisting staff with minor maintenance, 20%; assisting with natural resource projects, 15%; inspecting recreation areas, 10%; maintaining contacts with the public and assisting with public relations and informal surveys, 5%; other administrative and clerical duties, 5%. Position involves extensive trail hiking and outdoor work. First aid, CPR, and defensive driving training provided. Require: valid driver's license; interest in conservation and environmental work; ability to hike and work in the outdoors; ability to perform minor maintenance tasks; ability to follow directions and work with minimal supervision. Desire: academic background in natural resources and/or recreation; experience in public relations and/or public speaking or related field.

East Brimfield Lake

12 week intern. 1/5/04-3/26/04

Located in Massachusetts about an hour's drive southeast of Boston near Old Sturbridge Village, East Brimfield Lake area and surroundings contain a 360-acre reservoir, smaller ponds, rolling forested terrain, wetlands, hiking trails, a canoe trail, and boating opportunities. Intern will assist senior ranger staff with collection of information regarding the history of two village's no longer in existence. Responsibilities include: review existing information compiled over the past three years to help assess where additional data are needed, 30%; arrange, conduct, and record interviews with individuals who lived in or near these villages, 30%; transcribe new information collected in a form that will be the basis for future publications on these lost villages, 40%.

Training/Educational opportunities: computer software, safe driving, and first aid/CPR (if needed).

Require: academic background in history, natural resources management, and/or cultural resources/archaeology; valid driver's license; ability to operate 4WD vehicle. Desire: computer experience with Word, spreadsheets, and/or PowerPoint.

West Hill Dam & Charles River NVSA

12 week intern. 2/1/04-4/25/04

The primary work area will be the Charles River Natural Valley Storage Area 8,400 acres of wetlands nestled in 17 towns along the Charles River starting in Boston, Massachusetts. These wetlands are only at an elevation of about 90 to 126 feet above sea level and follow the Charles River through typical New England swamps. Weather- New England winter weather- snow ice and rain can be expected. Average temperatures can range from below zero to 32 degrees to low 30s to 40s at times. Responsibilities include: locate Corps boundary lines and markers (using GPS Trimble Geoexplorer- 3: version- 2.90), gathering data, and entering into database for export into Arcview GIS; scan survey related documents; install Carsonite markers/signs as directed. Training/Educational opportunities: on-the-job training for use of Trimble GeoExplorer- 3

and Arcview software available. Require: valid driver's license; ability to driver 4WD vehicle; provide own personal protective equipment/clothing; comfortable away from home and family; college course and lab work or volunteer/paid experience with ArcView 8.X Trimble Geo-Explorer- 3; physically able to walk up to 1 to 2 miles with equipment (about 20 pounds). Desire: college course work lab or volunteer/paid experience with ArcView 8.X Trimble Geo-Explorer-3 (GPS handheld) and computer skills (Windows 2000 NT) helpful.

VERMONT

Upper Connecticut River Basin
12 week interns. 5/15/04-8/15/04

The Upper Connecticut River Basin area consists of 7 flood control reservoirs and adjacent lands totaling about 8,000 acres of wetlands, hills, and valleys in southeastern Vermont and southwestern New Hampshire. Responsibilities include: assist with various wildlife inventories (small mammals, birds, reptiles) in a variety of habitats and locations, 75%; assist with a variety of resource management activities, 15%; computer data entry, 10%. Training/Educational opportunities: inventory and monitoring protocols; CPR/first aid; defensive driving. Require: interest in natural resources field work; ability to work in inclement weather; willingness to learn; valid driver's license. Desire: experience with computers and GPS; skill in identifying birds by sight and sound; ability to handle small mammals.

30 day Conservation (High School) Crews (2). Six members, two leaders.
Trail reconstruction/maintenance and invasive plant removal.

WASHINGTON

Chief Joseph Dam
21 day Conservation (High School) Crew. Six members, two leaders.
Trail maintenance and invasive plant removal.

Continued

FY 2003 SUMMARY
USACE / SCA CONSERVATION INTERN & CREW PARTNERSHIPS

CALIFORNIA

Lake Mendocino

30 day Conservation (High School) Crew. Eight members, two leaders.
Trail reconstruction, trail bridge construction and picnic shelter construction.

San Francisco Bay Model

52 week intern: 6/1/03-5/30/04

Located 3 miles north of the Golden Gate Bridge in Sausalito, this visitor and environmental education/research center contains a two-acre hydraulic model of the San Francisco Bay and Delta. Responsibilities include: conducting tours of the Bay Model for school groups and the general public, 30%; staffing an information desk, greeting visitors, operating a cash register, answering telephones, updating display boards, keeping current inventory of resource materials, maintaining supply of teacher packets, 25%; developing programs and in-depth activities for the Bay Model's new classroom, 20%; staffing and developing science activity stations for use at the Bay Model during special events and for school groups, 15%; updating interactive computer screen, tides and events, 5%; increasing public awareness of the Bay Model Visitor Center through off-site school and agency contacts, 5%. First aid and CPR training provided. Require: valid driver's license; experience in marketing and working with media; ability to communicate in clear, concise manner while providing general information and answering questions; comfortable communicating with people from various ethnic groups, ages, and group sizes; ability to work with minimal supervision. Desire: experience with computers and in an office environment; experience in graphic design and layout and knowledge of major advertising software (MS Publisher, Word, etc..) and Macromedia (Flash, Fireworks, Dreamweaver); ability to complete projects with minimal supervision.

MASSACHUSETTS

Cape Cod Canal

21 day Conservation (High School) Crew. Six members, two leaders.
Trail reroute and construction, erosion remediation and revegetation.

NEW HAMPSHIRE

Hopkinton- Everett Lakes

52 week intern: 6/11/03-6/10/04

Intern will serve at the Merrimack River Basin office in Hopkinton and also perform field work at Edward MacDowell Lake near Peterborough. Responsibilities include: completing GIS projects including digitizing layers, creating attribute tables, scanning documents, creating PDF files, hot linking, and GPS mapping, 60%; conducting forest inventory and collecting/processing field data, 40%. ArcView GIS, defensive driving, and first aid/CPR training provided. Require: valid driver's license; at least one year of undergraduate education with a major in natural resources or closely related field and at least one course in GIS. Desire:

VERMONT

Upper Connecticut River Basin

12 week intern (3): 6/2/03-8/24/03

This area consists of 7 flood control reservoirs and adjacent lands totaling about 8,000 acres of wetlands, hills and valleys in southeastern Vermont and southwestern NH. Responsibilities include: conduct / assist with various wildlife inventories (small mammals, birds, herps) in variety of habitats and locations, 75%; assist with a variety of resource management activities, 15%; computer data entry 10%. Inventory and monitoring protocols, CPR/First Aid, defensive driving training provided. Require: interest in natural resources field work, ability to work in inclement weather, willingness to learn, valid driver's license. Desire: experience with computers and GPS; skill in identifying birds by sight and sound; ability to handle small mammals.

WASHINGTON

Chief Joseph Dam

21 day Conservation (High School) Crew. Six members, two leaders.
Trail maintenance & invasive plant removal.

